Friday, 2/23/2007 1:59:59 PM Kim Johnston User Customer : CU-DAR001 Dart Helicopters Services Job Number : 30950 : 11202 **Estimate Number** : D)A P.O. Number S.O. No. : NA : 2/23/2007 This Issue Prsht Rev. : NA : LARGE FAB ASSY Type First Issue : 30949 Previous Run Written By Checked & Approved By : Est. 65.01.13 Comment **Additional Product** Job Number: Machine Or Operation: Seq. #: 1.0 D33301 Comment: Qty.: Panel Pick: D3330-1 1 2.0 D33302

Process Sheet

Drawing Name

: FRAME WELDMENT

Part Number Drawing Number : D3330041 . D3330 REV B1

Project Number

: N/A

Drawing Revision Material

; B1 : 3/20/2007

Due Date

Qty:

2 Um: Each

Description:

Panel

New Issue KJ/JLM

1.0000 Each(s)/Unit

Total:

2.0000 Each(s)

Qty Part Number Description Batch

Comment: Qty.:

1.0000 Each(s)/Unit

Total:

2.0000 Each(s)

Panel Pick:

Part Number Description Qty D3330-2

Panel

3.0

D33303

1.0000 Each(s)/Unit Total:

2.0000 Each(s)

Comment: Qty.:

Panel Pick:

Qtv 1 D3330-3

Part Number Description Panel

4.0

D33305

Rail

Comment: Qty.:

1.0000 Each(s)/Unit

Total:

2.0000 Each(s)

Pick:

Qty Part Number 1 D3330-5

Description Panel

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W /O:		WORK ORDER CHANGES										
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
Part No	:	PAR #: Fault Category:	NCR: Yes	No DQ	A:	Date:						

NCR: WORK ORDER NON-CONFORMANCE (NO								
		Description of NC		Corrective Action Section B				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspecto
						;		
		·						

NOTE: Date & initial all entries

QA: N/C Closed: ____ Date: ___

Friday, 2/23/2007 1:59:59 PM Date: User: Kim Johnston **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services Drawing Name: FRAME WELDMENT Job Number: 30950 Part Number: D3330041 Job Number: Description: Seq. #: Machine Or Operation: D33307 5.0 Comment: Qty.: 2.0000 Each(s) 1.0000 Each(s)/Unit Total: Panel Pick: Qty Part Number Description Batch D3330-7 Panel 1 D33309 6.0 Comment: Qty.: 1.0000 Each(s)/Unit Total: 2.0000 Each(s) Top Plate Pick: Description Qty Part Number 1 D3330-9 Panel 7.0 D333011 Comment: Qty.: 2.0000 Each(s) 1.0000 Each(s)/Unit Total: Long Pin Bracket Pick: Description Part Number Qty Long Pin Bracket D3330-11 8.0 D333013 Comment: Qty.: 1.0000 Each(s)/Unit Total: 2.0000 Each(s) Short Pin Bracket Pick: Description Qty Part Number Short Pin Bracket D3330-13 1 D333015 9.0 Handle Comment: Qty.: 1.0000 Each(s)/Unit Total: 2.0000 Each(s) Handle Pick: Qty Part Number Description D3330-15 Handle

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W/O:		WORK ORDER CHANGES	•				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspecto
<u> </u>							
						i	
Part No	:	PAR #: Fault Category: No	CR: Yes	No DQ	A:	Date: _	
			ΟΔ.	N/C Close	۷٠	Date:	

NCR:		WORK ORDER NON-CONFORMANCE (NCR)									
		Description of NC		Corrective Action Section B	Verification		A				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector			
							,				
	1										

NOTE: Date & initial all entries

Friday, 2/23/2007 1:59:59 PM Date: User: Kim Johnston ---**Process Sheet** Drawing Name: FRAME WELDMENT Customer: CU-DAR001 Dart Helicopters Services Part Number: D3330041 Job Number: 30950 Job Number: Description: Seq. #: Machine Or Operation: Handle Socket 10.0 D333017 2.0000 Each(s) Comment: Qtv.: 1.0000 Each(s)/Unit Total: Handle Socket Pick: Part Number Description Qty D3330-17 Handle Socket 1 D333019 11.0 Comment: Qty.: 2.0000 Each(s) 1.0000 Each(s)/Unit Total: Handle Rim Pick: Part Number Description Batch D3330-19 Handle Rim LARGE FAB 1 12.0 Comment: LARGE FABRICATION RESOURCE 1 Assemble and Weld as per Dwg Dwg D3330 using D3330-041T1 Identify as D3330-041 VISUAL WELDING INSPECTION 13.0 QC9 Comment: VISUAL WELDING INSPECTION INSPECT WORK TO CURRENT STEP 14.0 QC5 Comment: INSPECT WORK TO CURRENT STEP POWDER COATING POWDER COATING 15.0 Comment: POWDER COATING Powder Coat Fire Red (Ref: 4.3.5.10) as per QSI 005 4.3 16.0 QC3 Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

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W/O:		WORK ORDER CHANGES	3				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	-						
Part No	•	PAR #: Fault Category: N	NCR: Yes	No DQA	A: 😭	<u>)</u> Date: <u>೧</u>	7/03/03
				N/C Closed		_ Date: _	

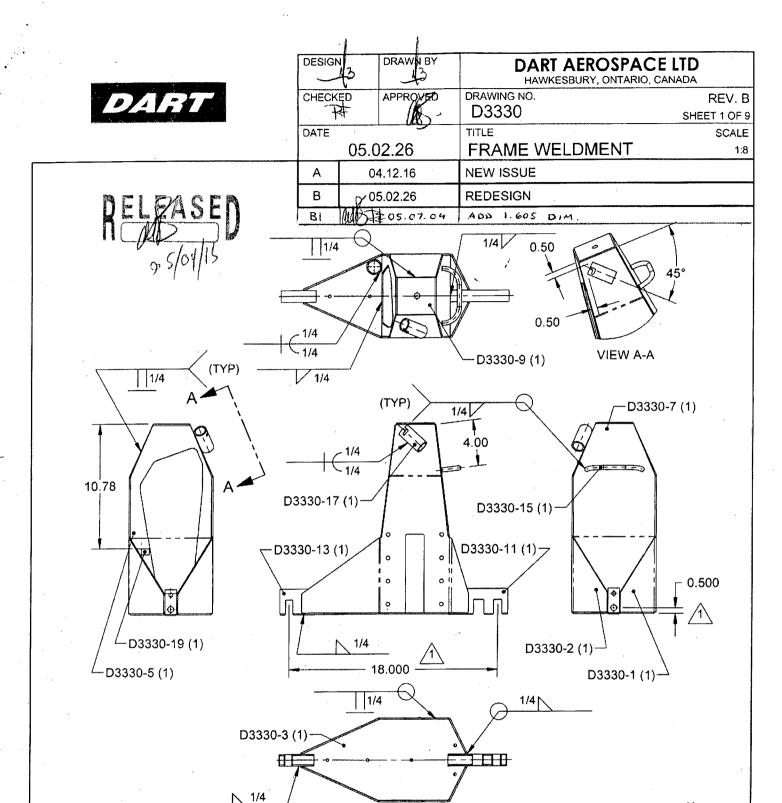
NCR:			WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC	Corrective Action Section B			Varification					
DATE	STEP	Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	- Verification Section C	Approval Chief Eng	Approval QC Inspector			
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NOTE: Date & initial all entries

Friday, 2/23/2007 1:59:59 PM Date: User: Kim Johnston **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services Drawing Name: FRAME WELDMENT Job Number: 30950 Part Number: D3330041 Job Number: Description: Seq. #: Machine Or Operation: PACKAGING RESOURCE #1 PACKAGING 1 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: QC21 18.0 Comment: FINAL INSPECTION/W/O RELEASE Je 03.23 Job Completion

Dart Ae	rospace	e Ltd			t					
W/O:		,	WC	RK ORDER CHA	NGES					
DATE	STEP	PROC	EDURE CHA	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No		PAR #:	Fault Cate	gory:	NC	R: Yes	No DQ	A:	Date:	
						QA: N	C Close	d:	_ Date: _	
NCR:		W	ORK ORDI	R NON-CONFOR	RMANCE	(NCR)			÷
		Description of NC		Corrective Action	Section B		Verific	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description	on	Sign & Date	Secti		Chief Eng	QC Inspector
•								i		

NOTE: Date & initial all entries



D3330-041 FRAME WELDMENT

SHOP COPY RETURN TO ENGINEERING UNCONTROLLED COPY

POSITION PARTS AS PER JIG D3330-041T1 WELD PER QSI 004

SUBJECT TO AMENDMENT WITHOUT NOTICE

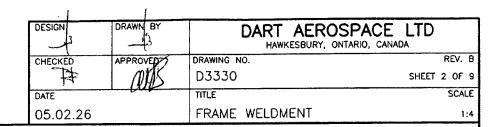
3) FINISH: POWDER COAT PAINT FIRE RED (4.3.5.10) PER DART QSI 005 4.3 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

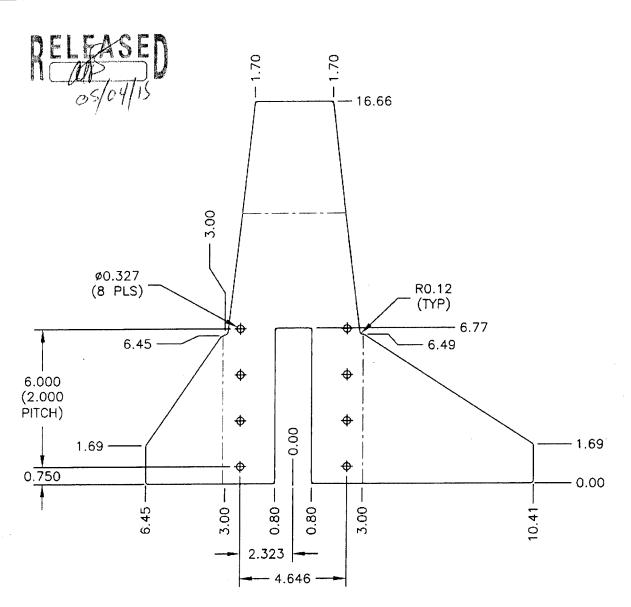
5) ALL DIMENSIONS ARE IN INCHES

BREAK ALL SHARP EDGES 0.010 TO 0.020

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D3330-1 PANEL

SHOP COPY RETURN TO ENGINEERING

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21UNCONTROLLED COPY
 38W/44W/50W/60W/70W SERVED COTTO 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125 THICK)BJECT TO AMENDMENT ES ARE PER DART OSI 018 UNITES OTTERNOTICE
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

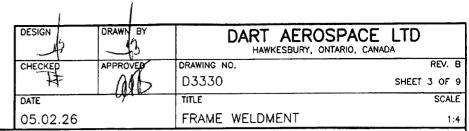
3) ALL DIMENSIONS ARE INCHES

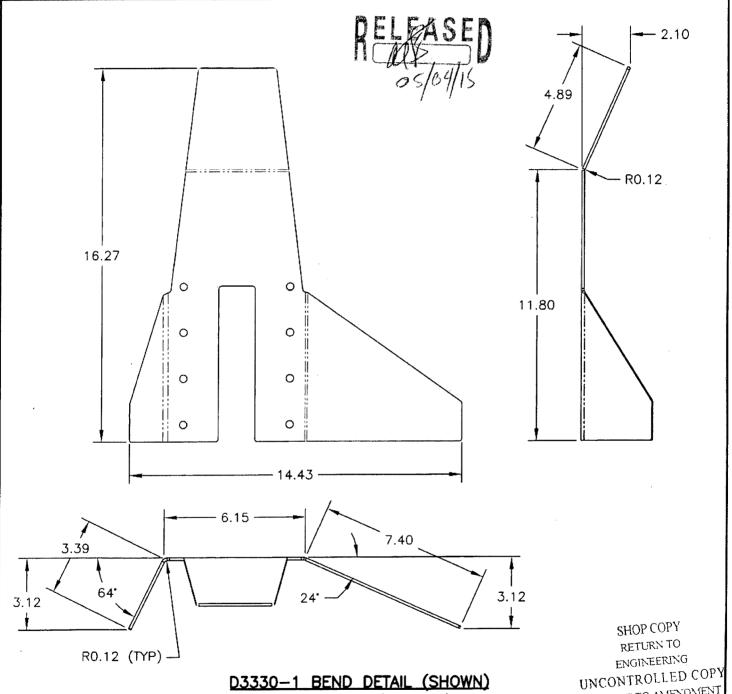
4) BREAK ALL SHARP EDGES 0.005 TO 0.010

WORK ORDER

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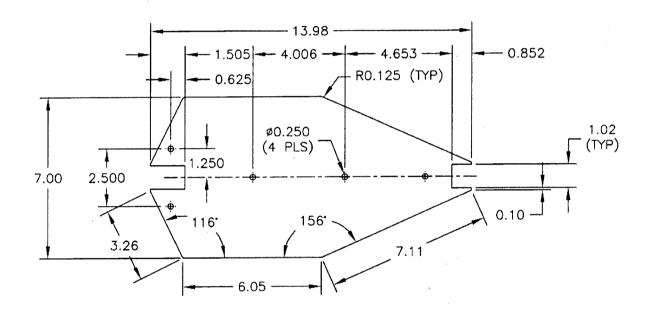
BEND D3330-2 (OPPOSITE)

SUBJECT TO AMENDMENT WITHOUT NOTICE



DESIGN 3	DRAWN BY	DART AEROSF HAWKESBURY, ONTAF	
CHECKED	APPROVEO	DRAWING NO.	REV. B
本	MY	D3330	SHEET 4 OF 9
DATE	104	TITLE	SCALE
05.02.26		FRAME WELDMENT	1:4





D3330-3 PLATE

SHOP COPY RETURN TO ENGINEERING

NOTES:

1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40H20NTROLLED COPY 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125 STHICK)TO AMENDMENT

2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

WITHOUT NOTICE

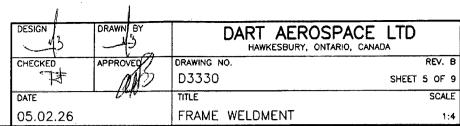
3) ALL DIMENSIONS ARE IN INCHES

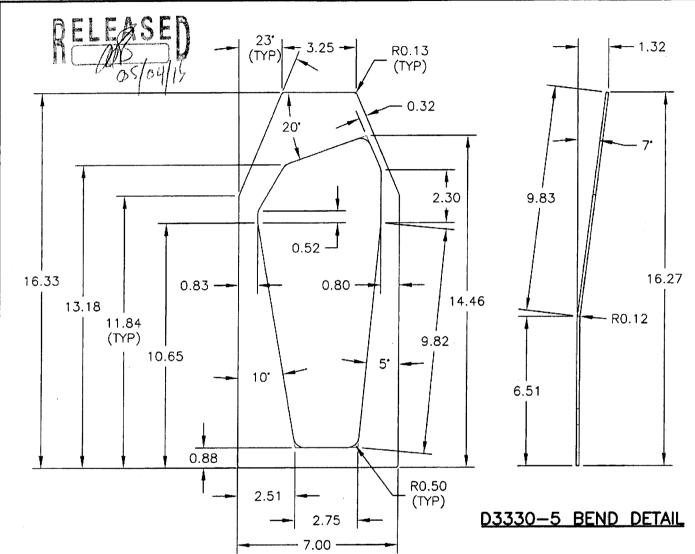
4) BREAK ALL SHARP EDGES 0.005 TO 0.010

WOLK ORDE

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FLAT PATTERN

SHOP COPY RETURN TO

NOTES:

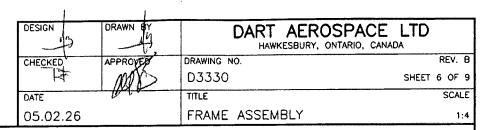
- ENGINEERING 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125U) HICK) TROLLED COPY SUBJECT TO AMENDMEN
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

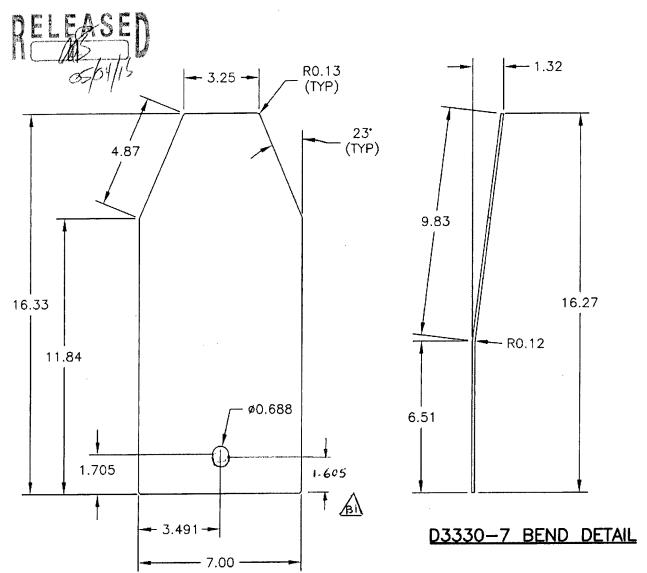
WITHOUT NOTICE

3) ALL DIMENSIONS ARE IN INCHES 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

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FLAT PATTERN

SHOP COPY RETURN TO

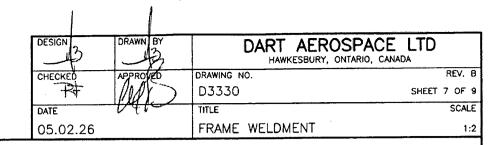
1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21 OLLED COPY 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0125) THICK) TENDMENT 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED SUBJECT TO NOTICE 3) ALL DIMENSIONS ARE IN INCHES

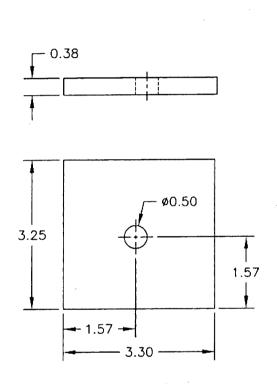
3) ALL DIMENSIONS ARE IN INCHES

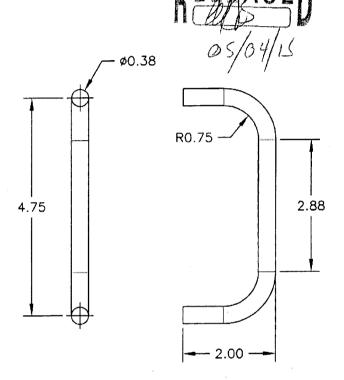
4) BREAK ALL SHARP EDGES 0.005 TO 0.010

WORK ORDER









↑ D3330-9 TOP PLATE

NOTES:

1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008, 0.375 STEEL

(REF. DART SPEC. M1010-B0.375x3.500)

2) MATERIAL: AISI 1018-1025 ROUND BAR PER MIL-S-7097

(REF. DART SPEC. M1018-R0.375) 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

4) ALL DIMENSIONS ARE IN INCHES

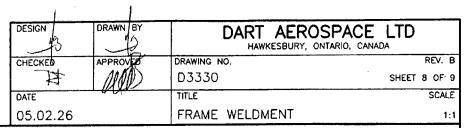
5) BREAK ALL SHARP EDGES 0.005 TO 0.010

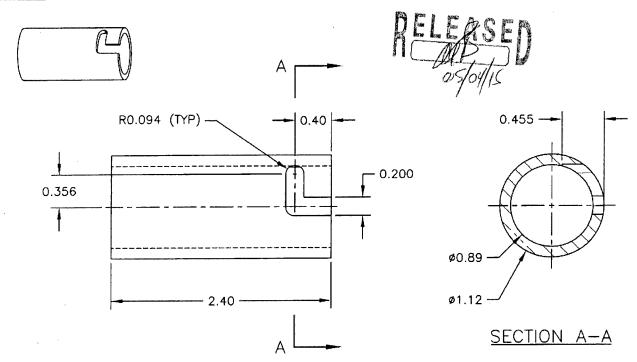
SHOP COPY RETURN TO ENGINEERING

UNCONTROLLED COPY SUBJECT TO AMENDMENT

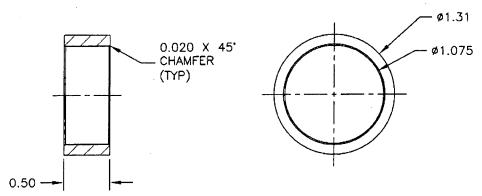
WITHOUT NOTICE







D3330-17 HANDLE SOCKET



D3330-19 HANDLE RIM

NOTES:

1) MATERIAL: 1010-1025 ROUND BAR STEEL PER MILL-S-7097

UNCONTROLLED COPY 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED SUBJECT TO AMENDMENT
3) ALL DIMENSIONS ARE INCHES

3) ALL DIMENSIONS ARE INCHES

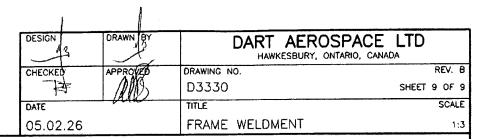
4) BREAK ALL SHARP EDGES 0.005 TO 0.010

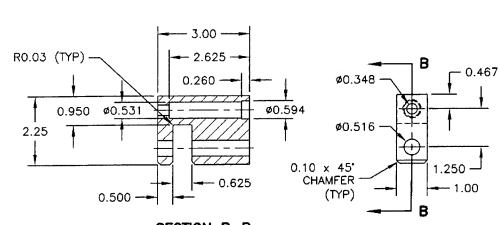
WORK ORDER

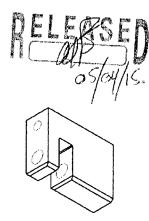
SHOP COPY RETURN TO

ENGINEERING



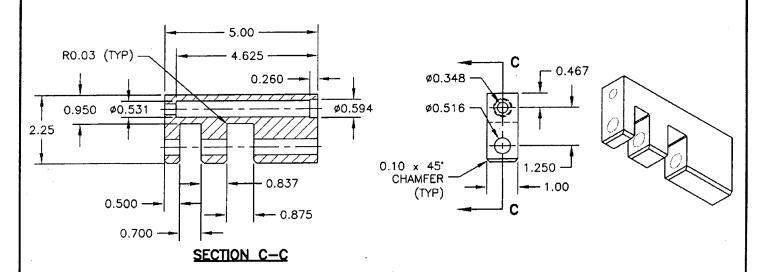






SECTION B-B

D3330-13 SHORT PIN BRACKET



D3330-11 LONG PIN BRACKET

1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A569/A570, 1.000 THICK STEELED COPY (REF. DART SPEC. M1010-B1.000x02.250)

- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

SHOP COPY RETURN TO

SUBJECT TO AMENDMENT WITHOUT NOTICE